



Applicant(s) Laurent EMORINE et al.  
Application No.: 09/895,211  
Filed: July 2, 2001  
Title: "INTRON/EXON STRUCTURE OF THE  
HUMAN AND MOUSE BETA3-ADRENERGIC  
RECEPTOR GENES"  
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## FIG. 1A



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## HUMAN AND MAMMALIAN RECEPTOR CLUSTERS

FIG. 1B



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FIG. 2A



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FIG. 2B



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AMINO-ACID SEQUENCE OF THE HUMAN B3-ADRENERGIC RECEPTOR GENE

10	20	30	40	50	60	70	80
MAPWPHENSS	LAPWPDLPTL	APNTANTSGL	PGVPWEAALA	GALLALAVLA	TVGGNLLVIV	AIATPRLQT	MTNVFVTSLA
90	100	110	120	130	140	150	160
AADLVMGLLV	VPPAATLALT	GHWPLGATGC	ELWTSVDVLC	VTASIELTLCA	LAUDRYLAVT	NPLRYGALVT	KRCARTAVVL
170	180	190	200	210	220	230	240
VWWVSAAVSF	APIMSQWWRV	GADAEAQRCR	SNPRCCAFAS	NMPYVLLSSS	VSFYLPPLLVM	LFVYARVFVV	ATRQLRLLRG
250	260	270	280	290	300	310	320
ELGRFPPEES	PPAPSRSRSLAP	APVGTCAPE	GVPACGRRPA	RLLPLREHRA	LCTLGLIMGT	FTLCWLPFFL	ANVLRALGGP
330	340	350	360	370	380	390	400
SLVPGPAFLA	LNWLGYANSA	FNPLIYCRSP	DFRSAFRLL	CRCGRRLPPE	PCAAARPALF	PSGVPAARSS	PAQPRLCQRL

DGASWGVS

**FIG. 3**

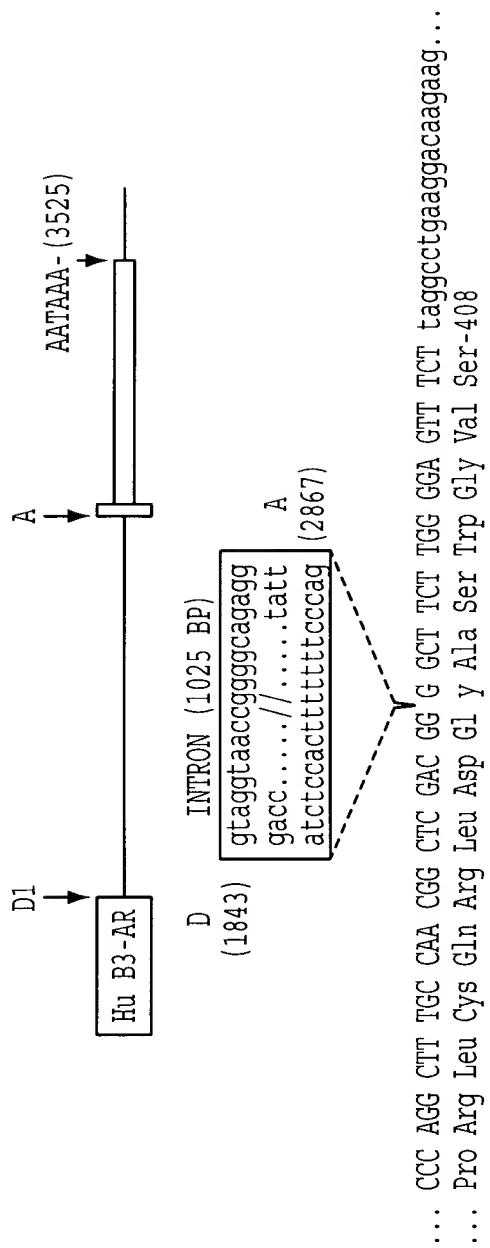
AMINO-ACID SEQUENCE OF THE MOUSE B3-ADRENERGIC RECEPTOR GENE

10	20	30	40	50	60	70	80
MAPWPHRNNGS	LALWSDAPTL	DPSAANTSGL	PGVPWAAALA	GALLALATVG	GNLLVIIAIA	RTPRLQTITN	VFVTSLAAAD
90	100	110	120	130	140	150	160
LVVGLLVMPP	GATLALTGHW	PLGETGCELW	TSVDVLCVTA	SIETLCALAV	DRYLAVTNPL	RYGTLVTKRR	ARAAVVLVWI
170	180	190	200	210	220	230	240
VSAAVSFAPI	MSQWWRVGAD	AEAQECHSNP	RCCSFASNMP	YALLSSSVSF	YLPLLVMFLV	YARVFVVAKR	QRHLLRRELG
250	260	270	280	290	300	310	320
RFSPEESPPS	PSRSPSPATG	GTPAAPDGVP	PCGRRPARLL	PLREHRALRT	LGLIMGIFSL	CWLPEFFLANV	LRALAGPSLV
330	340	350	360	370	380	390	400
PSGVFIALNW	LGYANSAFNP	VIYCRSPDFR	DAFRRLCSY	GGRGPEEPRA	VTFPASPVEA	RQSPLNRFD	GYEGARPFFPT

**FIG. 4**



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**FIG. 5A**



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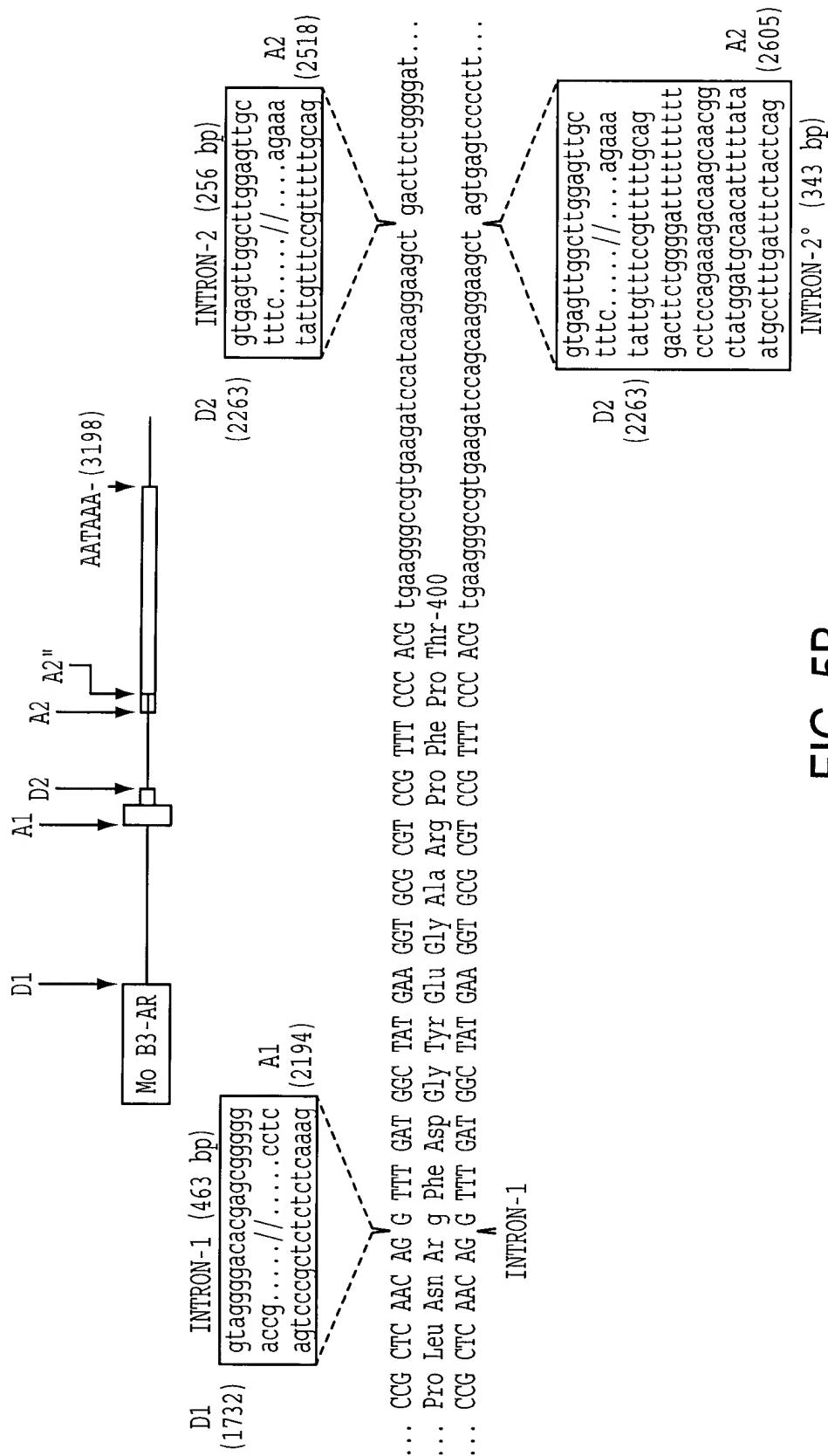


FIG. 5B